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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
P72916PC00	ACTION	as well as, where applicable, Item 5 below.
International application No.	International filing date (day/month	/year) (Earliest) Priority Date (day/month/year)
PCT/EP2004/010877	27/09/2004	26/09/2003
Applicant		
UNIVERSITY OF ULSTER		
This International Search Report has bee according to Article 18. A copy is being tr		ching Authority and is transmitted to the applicant
This International Search Report consists	of a total ofshe	pets.
X It is also accompanied by	a copy of each prior art document ci	ted in this report.
	international search was carried out less otherwise indicated under this ite	on the basis of the international application in the em.
The international this Authority (Ru		of a translation of the international application furnished to
b. With regard to any nucle	otide and/or amino acid sequence	disclosed in the international application, see Box No. I.
2. Certain claims were fou	nd unsearchable (See Box II).	
3. Unity of invention is lac	king (see Box III).	
4. With regard to the title,		
X the text is approved as su	ibmitted by the applicant.	
the text has been establis	shed by this Authority to read as follow	NS:
5. With regard to the abstract,		
X the text is approved as su	ubmitted by the applicant.	
		is Authority as it appears in Box No. IV. The applicant
may, within one month it	on the date of mailing of this internati	ional search report, submit comments to this Authority
6. With regard to the drawings,		
a. the figure of the drawings to be p	oublished with the abstract is Figure I	No2
X as suggested by	the applicant	
	s Authority, because the applicant fa	•••
	s Authority, because this figure bette	r characterizes the invention.
b none of the figures is to b	e published with the abstract.	

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F17/30 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) G06F G06K IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and where practical search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document with indication where appropriate of the relevant passages Retevant to claim No US 2003/065635 A1 (SAHAMI MEHRAN ET AL) 1 - 18Α 3 April 2003 (2003-04-03) abstract paragraph '0057! - paragraph '0108!; figures 5,6,13 1 - 18US 6 584 456 B1 (DOM BYRON EDWARD ET AL) Α 24 June 2003 (2003-06-24) the whole document 1 - 18US 2002/042793 A1 (CHOI JUN-HYEOG) Α 11 April 2002 (2002-04-11) the whole document 1 - 18US 6 128 613 A (WONG ET AL) Α 3 October 2000 (2000-10-03) the whole document Patent family members are listed in annex Further documents are listed in the continuation of box C. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the *A* document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date involve an inventive step when the document is taken alone document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannol be considered to involve an inventive step when the document is combined with one or more other such docu-O' document referring to an oral disclosure use exhibition or ments, such combination being obvious to a person skilled other means in the art document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 23/05/2005 13 May 2005 Authorized officer Name and mailing address of the ISA European Patent Office P B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx 31 651 epo nl Fax: (+31-70) 340-3016 Nazzaro, A

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2003065635	A1	03-04-2003	AU CA EP JP WO	780253 B2 4500700 A 2378145 A1 1145184 A2 2002543535 T 0067194 A2	17-11-2000 09-11-2000 17-10-2001 17-12-2002
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Applicant			·
UNIVERSITY OF ULSTER			
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Sear	ching Auth	nority and is transmitted to the applicant
This International Search Report consists			
	a copy of each prior art document c		report.
Basis of the report a. With regard to the language, the	international search was carried out	on the bas	sis of the international application in the
language in which it was filed, unl	less otherwise indicated under this it	em.	
this Authority (Ru	le 23.1(b)).		ation of the international application furnished to
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3. Unity of invention is lac	king (see Box III).		
4. With regard to the title ,			
X the text is approved as su	ibmitted by the applicant.		
1	shed by this Authority to read as follo	ws:	
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5. With regard to the abstract, X the text is approved as so	ubmitted by the applicant.		
the text has been establish	shed, according to Rule 38.2(b), by t	his Author	ity as it appears in Box No. IV. The applicant
may, within one month fro	om the date of mailing of this interna	tional sea	rch report, submit comments to this Authority
6. With regard to the drawings,			
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	ns Authority, because this lighte bett be published with the abstract.	,, onaraci	
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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G06F G06K IPC 7

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and where practical search terms used)

EPO-Internal, WPI Data

ENTS CONSIDERED TO BE RELEVANT	Relevant to claim No
Citation of document with indication where appropriate of the relevant passages	Helevani to ciain No
US 2003/065635 A1 (SAHAMI MEHRAN ET AL) 3 April 2003 (2003-04-03) abstract paragraph '0057! - paragraph '0108!; figures 5,6,13	1-18
US 6 584 456 B1 (DOM BYRON EDWARD ET AL) 24 June 2003 (2003-06-24) the whole document	1-18
US 2002/042793 A1 (CHOI JUN-HYEOG) 11 April 2002 (2002-04-11) the whole document	1-18
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	US 2003/065635 A1 (SAHAMI MEHRAN ET AL) 3 April 2003 (2003-04-03) abstract paragraph '0057! - paragraph '0108!; figures 5,6,13 US 6 584 456 B1 (DOM BYRON EDWARD ET AL) 24 June 2003 (2003-06-24) the whole document US 2002/042793 A1 (CHOI JUN-HYEOG) 11 April 2002 (2002-04-11) the whole document US 6 128 613 A (WONG ET AL) 3 October 2000 (2000-10-03)

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-
ments, such combination being obvious to a person skilled in the art

other means document published prior to the international filing date but later than the priority date claimed

Further documents are listed in the continuation of box C.

'&' document member of the same patent family Date of mailing of the international search report

Patent family members are listed in annex

Date of the actual completion of the international search

23/05/2005

13 May 2005

Authorized officer

Name and mailing address of the ISA

European Patent Office P B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx 31 651 epo nl Fax: (+31–70) 340–3016

Nazzaro, A

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US 6128613	Α	03-10-2000	CN HK	1211769 1020096	-	24-03-1999 27-06-2003